

WHAT IS CLAIMED IS:

1. A lip-type seal with which an outer periphery of a rotational shaft supported by a predetermined housing is sealed,
5 the lip-type seal comprising:

a first reinforcing member formed annularly, the first reinforcing member including a wall surface part defining a hole through which the rotational shaft is passed and a cylindrical part bent from an outer edge of the wall surface
10 part, and

a first sealing member, the first sealing member including an annular base that is joined to the housing, a first lip part that extends almost conical inwardly in a radial direction from the base and that comes into contact with the rotational shaft,
15 and an annular concave part formed on the base so as to detachably fit the cylindrical part.

2. The lip-type seal as set forth in Claim 1, wherein the first reinforcing member has an inner cylindrical part that
20 supports the base in a sandwiched manner from the inside in cooperation with the cylindrical part, and the wall surface part extends from the inner cylindrical part.

3. The lip-type seal as set forth in Claim 2, wherein the wall surface part is contiguous to a root area of the first lip part in an axial direction of the rotational shaft.

5 4. The lip-type seal as set forth in Claim 1, further comprising:

a second sealing member that is sandwiched between the first reinforcing member and the first sealing member; and

a second reinforcing member that is formed annularly and
10 that is fitted to the first sealing member on a side opposite the first reinforcing member,

the second sealing member including:

a to-be-sandwiched part that is sandwiched between the wall surface part and the root area of the first lip part;

15 and

a second lip part that extends almost conical from the to-be-sandwiched part inwardly in a radial direction and that comes into contact with the rotational shaft,

the second reinforcing member including:

20 an annular wall surface part that is brought into contact with the base in the axial direction of the rotational shaft; and

a cylindrical part that is bent from the inner edge

of the annular wall surface and that is fitted to the inside of the base.

5 5. The lip-type seal as set forth in Claim 4, wherein
the first sealing member is made of rubber, and
the second sealing member is made of resin.

10 6. The lip-type seal as set forth in Claim 4, wherein
the cylindrical part of the second reinforcing member has a
contact part that comes into contact with the root area of the
first lip part in the axial direction of the rotational shaft.

15 7. The lip-type seal as set forth in Claim 4, wherein
the wall surface part of the first reinforcing member is provided
with a rotation stopper that restricts the rotation of the second
sealing member.

20 8. The lip-type seal as set forth in Claim 4, wherein
the second reinforcing member has a restriction part that is
bent from the cylindrical part inwardly so as to be cylindrical
and that restricts deformation of the first lip part caused
outwardly in the radial direction of the first lip part within
a predetermined range.

9. The lip-type seal as set forth in Claim 4, wherein the first sealing member is detachably provided with an annular spring that exerts an urging force inwardly in the radial direction in an outer peripheral area of the first lip part.

10. The lip-type seal as set forth in Claim 4, wherein a third reinforcing member that is formed annularly and that restricts deformation of the first lip part caused inwardly in the radial direction of the first lip part within a predetermined range is sandwiched between the first sealing member and the second sealing member.